



US 20020001721A1

(19) **United States**(12) **Patent Application Publication** (10) Pub. No.: **US 2002/0001721 A1**  
Barriere et al. (43) Pub. Date: **Jan. 3, 2002**(54) **STRUCTURE COMPRISING A FLUORO  
PRIMER AND ELECTRODE BASED ON THIS  
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Mar. 31, 2000 (FR)..... 0004201

**Publication Classification**(51) Int. Cl.<sup>7</sup> ..... **B32B 15/08**(52) U.S. Cl. .... **428/421; 428/422; 428/463;  
428/408**(57) **ABSTRACT**

Especially for electrodes, there is provided a structure successively comprising a layer of a metal L1, a fluoro primer L2 and a layer of a fluoro polymer L3 in which the fluoro primer L2 is derived from a fluoro polymer chemically modified by a partial dehydrofluorination with a base followed by an oxidation step, especially with H<sub>2</sub>O<sub>2</sub>. According to one specific form, the structure is an electrode of a lithium-ion battery in which the metal L1 is the collector and the fluoro polymer L3, which has a high content of carbon and/or oxides, is the electroactive layer thereof.